

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 52228 WO	<div style="display: flex; justify-content: space-between;"> <div> FOR FURTHER ACTION </div> <div> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small> </div> </div>	
International application No. PCT/IB 2004/000522	International filing date (<i>day/month/year</i>) 1 March 2004	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant Nokia Corporation et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II)

3. ☐ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2004/000522

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20020061013 A1 (YOSHIDA, K. ET AL.), 23 May 2002 (23.05.2002), page 4, paragraph [0057] - page 5, paragraph [0060]; page 6, paragraph [0079]; figure 11 --	1-2,4-17
X	WO 0189155 A1 (NOKIA CORPORATION), 22 November 2001 (22.11.2001), page 1 - page 4; page 16, claim 1 --	1-2,4-17
A	WO 0159622 A2 (SONY CORPORATION OF AMERICA), 16 August 2001 (16.08.2001), page 1, line 4 - page 4, line 16 --	1-17

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

1 October 2004

Date of mailing of the international search report

08-10-2004

Name and mailing address of the ISA/

 Swedish Patent Office
 Box 5055, S-102 42 STOCKHOLM
 Facsimile No. +46 8 666 02 86

Authorized officer

 Catharina Karlsson /OGU
 Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2004/000522

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20030078986 A1 (AYRES, L.E. ET AL), 24 April 2003 (24.04.2003), page 1, paragraph [0005] - page 2 paragraph [0020] -- -----	1-17

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

Becker, Kurig, Straus
Bavariastrasse 7
DE-80336 München
Germany

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

08-10-2004

Applicant's or agent's file reference
52228 WO

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/IB 2004/000522

International filing date (day/month/year)

01.03.2004

Priority date (day/month/year)

International Patent Classification (IPC) or both national classification and IPC

H04L, H04Q

Applicant

Nokia Corporation et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further opinions, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/SE
Patent- och registreringsverket
Box 5055
S-102 42 STOCKHOLM
Facsimile No. +46 8 667 72 88

Authorized officer

Catharina Karlsson /OGU

Telephone No. +46 8 782 25 00

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IB 2004/000522

Box No. 1 **Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IB 2004/000522

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-17	YES
	Claims		NO
Inventive step (IS)	Claims	3	YES
	Claims	1-2, 3-17	NO
Industrial applicability (IA)	Claims	1-17	YES
	Claims		NO

2. Citations and explanations:

The claimed invention

The present invention solves the problem of loading huge game application programs into cellular phone devices. The solution reduces the communication load of the mobile communications network.

A cellular mobile phone establishes a local connection to a download module. Via the public switched telephone network a game is downloaded from a server.

The following documents were cited in the International Search Report:

D1: US 2002061013 A1
D2: WO 0189155 A1
D3: WO0159622 A2
D4: US2003078986 A1

D1 discloses a system for downloading data, e.g. multimedia, (page 6 paragraph [0079]). A mobile device can make a local connection, e.g. via Bluetooth to a public phone. The public phone is connected to a provider, (figure 11, page 4 paragraph [0057] - page 5 paragraph [0060]).

D2 also describes a system for downloading software to a mobile device by using a short range transceiver, (page 4 lines 12-14) from a hotspot network location, (claim 1). The hotspot network location is connected to a server via the internet. Additionally, in one embodiment, data is downloaded via a home base station connected to the public

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of: BOX V.

switch telephone network, (page 16).

D3-D4 are considered to merely disclose the state of the art and are not commented on further.

Reasoned statement

The single general inventive step of claims 1-2, 13 and 15-17 is to download software from a server by using a local connection and the public switched telephone network. This is known from D1.

It is obvious that the download module in the claims may be a public phone, as in D1, or a home base station, as in D2.

Claims 1-2, 10-11, 13-17 also define that game software is downloaded. However, it is obvious to a person skilled in the art to use the methods of downloading multimedia or other software files in D1 and D2, while downloading game software. Consequently, the invention according to claims 1-2, 10-11, 13-17 is not considered to involve an inventive step.

As claimed in claims 4-8 and 12, the cellular mobile phone or the server initiates. This is an obvious measure to a person skilled in the art. Storing the game software in an interchangeable mass storage is also an obvious measure.

Accordingly, claims 4-9 and 12 are considered to lack an inventive step.

INTERNATIONAL SEARCH REPORT

Information on patent family members

03/09/2004

International application No.

PCT/IB 2004/000522

US	20020061013	A1	23/05/2002	JP	2002157181	A	31/05/2002
				US	20020075853	A	20/06/2002

WO	0189155	A1	22/11/2001	AU	5500801	A	26/11/2001
				EP	1282958	A	12/02/2003
				US	6714797	B	30/03/2004

WO	0159622	A2	16/08/2001	AU	2293401	A	20/08/2001
				AU	2457801	A	20/08/2001
				AU	2601001	A	20/08/2001
				AU	3807301	A	20/08/2001
				WO	0159551	A	16/08/2001
				WO	0159572	A	16/08/2001
				WO	0159651	A	16/08/2001
				AU	2632501	A	20/08/2001
				WO	0159702	A	16/08/2001

US	20030078986	A1	24/04/2003	NONE			
